

```

set.seed(1234)
n = 1000
n1 = 500
n2 = 500
n3 = 500
n4 = 500
n5 = 500
n6 = 500
n7 = 500
n8 = 500
n9 = 500
n10 = 500
n11 = 500
n12 = 500
n13 = 500
n14 = 500
n15 = 500
n16 = 500
n17 = 500
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n23 = 500
n24 = 500
n25 = 500
n26 = 500
n27 = 500
n28 = 500
n29 = 500
n30 = 500
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n33 = 500
n34 = 500
n35 = 500
n36 = 500
n37 = 500
n38 = 500
n39 = 500
n40 = 500
n41 = 500
n42 = 500
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n44 = 500
n45 = 500
n46 = 500
n47 = 500
n48 = 500
n49 = 500
n50 = 500
n51 = 500
n52 = 500
n53 = 500
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n55 = 500
n56 = 500
n57 = 500
n58 = 500
n59 = 500
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n61 = 500
n62 = 500
n63 = 500
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n70 = 500
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n74 = 500
n75 = 500
n76 = 500
n77 = 500
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n82 = 500
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n84 = 500
n85 = 500
n86 = 500
n87 = 500
n88 = 500
n89 = 500
n90 = 500
n91 = 500
n92 = 500
n93 = 500
n94 = 500
n95 = 500
n96 = 500
n97 = 500
n98 = 500
n99 = 500
n100 = 500

```

40 41